DOCUMENT RESUME

ED 300 267 SE 050 113

AUTHOR Havas, George D., Comp.
TITLE Tribology. LC Science Tracer Bullet.
INSTITUTION Library of Congress, Washington, DC. Science and Technology Div.
REPORT NO TB-87-10
PUB DATE Dec 87
NOTE 9p.
PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Chemistry; *College Science; *Engineering; Guides; Higher Education; Machine Tools; Physics; *Reference Materials; *Resource Materials; Science Education
IDENTIFIERS *Library of Congress; *Tribology

ABSTRACT

Tribology is the science and technology of interacting surfaces in relative motion. It incorporates a number of scientific fields, including friction, wear, lubrication, materials science, and various branches of surface physics and surface chemistry. Tribology forms a vital part of engineering science. The interacting surfaces may be on machinery or engine parts, moving joints, bearings, on tools and on machines and the parts on which they work. This guide lists information resources on tribology which are available in the collections of the Library of Congress. This is not intended to be a comprehensive bibliography. The information references are classified as introductions, texts, handbooks, proceedings, abstracts, journals, articles, reports, bibliographies, and materials. About 60 items are listed. (Author/YP)

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ISSN 0090-5232

TRIBOLOGY
Compiled by George D. Havas

TB 87-10 December 1987

SCOPE: Tribology is the science and technology of interacting surfaces in relative motion. It incorporates a number of scientific fields, including friction, wear, lubrication, materials science, and various branches of surface physics and surface chemistry. Tribology forms a vital part of engineering science. The interacting surfaces may be on machinery or engine parts, moving joints, or bearings, or on cutting, drilling, or shaping tools and machines and the parts on which they work. This guide lists information sources on tribology which are available in the collections of the Library of Congress. Not intended to be a comprehensive bibliography, this compilation is designed--as the name of the series implies--to put the reader "on target."

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TRIBOLOGY (Highly relevant)
LUBRICATION (Highly relevant)
LUBRICATION AND LUBRICANTS (Highly relevant)
LUBRICATING OILS (Relevant)
LUBRICATION SYSTEMS (Relevant)
FRICTION (Related)
MECHANICAL WEAR (Related)
SURFACES (PHYSICS) (Related)
SURFACES (TECHNOLOGY) (Related)

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Conference proceedings are also published in ASLE Transactions (see Journals section of this guide).

ABSTRACTING AND INDEXING SERVICES that index relevant journal articles are listed below. Some terms are provided as aids in searching.

Applied Mechanics Reviews (1948-) TA1.A63953*
See Section 292: Friction & Wear

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See: Tribology
Bearings
Friction
Lubrication and Lubricants
Surfaces

Engineering Index (1884-) Z5851.E62*
See: Tribology

International Aerospace Abstracts (1961-) TL500.I57*
See: Tribology

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See: Tribology

JOURNALS that often contain articles on tribology are

ASLE (American Society of Lubrication Engineers) Transactions
TJ1075.A2A25
Industrial Lubrication and Tribology TJ1075.A2S28
Journal of JSLE (Japan Society of Lubrication Engineers)
International Edition TJ1075.A2J66
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Government Reports Announcements & Index (1946-) Z7916.G78*

NTIS Title Index on Microfiche (1964-)*

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AN ADDITIONAL SOURCE OF INFORMATION

Society of Tribologists and Lubrication Engineers
(Formerly American Society of Lubrication Engineers)
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